

ProductSheet
HP Z32k G3 4K USB-C Display (50U19AA)



The Power to Make it Real

See ultimate potential before it's real with the ultra-powerful and stunningly precise, HP Z32k G3 4K USB-C Display. Powered by the uncompromising capabilities of Thunderbolt™ 4, experience anything from CAD drawings to product renders in tangible, lifelike detail with IPS Black technology and 4K resolution.



Color that Rivals Reality

View every detail as if it's true-to-life with captivating color contrast on this precise 4K^[1], 31.5-inch diagonal display. Through the cutting-edge IPS Black panel, dive into deeper shadows and richer hues with twice the contrast of a traditional IPS panel. Combined with VESA Display HDR™ 400, wide 98% P3 color gamut, and ultimate color accuracy, what you see on screen rivals reality.

Unleash the Power of Thunderbolt™ 4

Transform your desk into a productivity powerhouse with this Thunderbolt™ 4 display^[2]. Through a single cable, drive 4K resolution at 60Hz, daisy chaining support for a second 4K monitor, as well as high speed data and internet^[3]—all while charging your device up to 100W—without compromising an ounce of speed.

Seamless Control

Designed with intelligent controls, this display gets you working quickly and multi-tasking efficiently. Instantly wake your display and PC with Single Power On^[4]. And when you're multi-tasking between two devices, simply use the built-in KVM switch to control both with just a single keyboard and mouse.

Featuring

IPS Black Technology

View every angle of every visual with amazing depth and clarity through the stunning 2,000:1 contrast ratio—twice that of a traditional IPS panel—and ultra-wide viewing angles.^[6]

4K Resolution

Get lost in the captivating definition and ultra-precise details of 4K resolution. The pixel dense 3840 x 2160 resolution expands your workspace and transforms all your content into a remarkable, lifelike experience.^[1]

31.5-inch Diagonal Screen

Dive in and accomplish more on a massive 31.5-inch diagonal screen framed by a 4-sided, virtually borderless bezel.

VESA Display HDR400

Replicate reality on your screen and enjoy watching HDR media with VESA Display HDR400 for enhanced contrast, deeper shadows, and brighter highlights.

Wide Color Gamuts

When your color needs are critical, rely on 100% sRGB for ideal color reproduction and 98% P3 for deeper, lifelike hues.^[6]

Specifications

| | |
|--|---|
| Display size (diagonal) | 31.5" |
| Panel technology | IPS Black |
| Display size (diagonal) | 80 cm (31.5") |
| Aspect ratio | 16:9 ^[1] |
| Native resolution | 4K UHD (3840 x 2160) ^[1,2] |
| Resolutions supported | 640 x 480; 720 x 400; 800 x 600; 1024 x 768; 1280 x 720; 1280 x 800; 1280 x 1024; 1440 x 900; 1600 x 900; 1680 x 1050; 1920 x 1080; 1920 x 1200; 2560 x 1440; 3840 x 2160 |
| Pixel pitch | 0.18 x 0.18 mm |
| Brightness | 400 nits ^[1] |
| Contrast ratio | 2000:1 ^[1] |
| Response time (typical) | 5ms GtG (with overdrive) ^[1] |
| Minimum dimensions (W x D x H) | 71.35 x 4.7 x 41.59 cm (Without stand.) |
| Minimum dimensions (W x D x H) | 28.09 x 1.85 x 16.37 in (Without stand.) |
| Dimensions With Stand (W x D x H) | 71.35 x 21.7 x 60.49 cm |
| Weight | 9 kg (With stand.) |
| Weight | 19.8 lb (With stand.) |
| Display features | On-screen controls; Single Power ON; Anti-glare; Height Adjust/Tilt/Swivel/Pivot; HP Eye Ease; IPS Black |
| Onscreen controls | Management; Information; Exit; Input; Color; Image; Power; Menu; Brightness+ |
| Display colors | Up to 1.07 billion colors supported ^[4] |
| Display scan frequency (horizontal) | 30-135 KHz |
| Display scan frequency (vertical) | 29-60 Hz |
| Power | 100 - 240 VAC 50/60 Hz |
| Power consumption | 180 W (maximum), 35 W (typical), 0.5 W (standby) |
| Operating temperature range | 5 to 35°C |
| Operating humidity range | 20 to 80% RH |
| Sustainable impact specifications | 85% ITE-derived closed loop plastic; Low Halogen; Designed with recycled metals; Ocean-bound plastic |
| Certifications and compliances | Argentina S-Mark; Australia MEPS; CB; CE; CEL; CEL Grade 1; China CCC; China CECP; C-Tick; cTUVus; CU; EAC; ENERGY STAR®; EUP Lot-5; EUP Lot-6; FCC; ISO 9241-307; KC (Korean) requirements; KCC (Korean) requirements; Korea e-standby; Microsoft WHQL Certification; NOM (Mexico); PSB for Singapore; RCM; SEPA eco label (China); Taiwan BSMI; TCO Certified; TCO Certified Edge; TUV Bauart; TUV/GS; VCCI; Vietnam MEPS; California Energy Commission (CEC); South Africa Energy; EUP Lot 26; Mexico Energy; UAE; Ukraine certificates; NRCS of South Africa; Belarus Energy; India BIS; Cambodia ISC; IC; NRCS |
| Physical security | Security lock-ready ^[11] |
| Management Software | HP Display Center; HP Display Manager |
| UPC number | (A2K) 196188669273; (A2N) 196188669280; (AB0) 196188669297; (AB1) 196188669303; (AB2) 196188669310; (AB4) 196188669327; (ABA) 196188669334; (ABB) 196188669341; (ABG) 196188669358; (ABJ) 4573595716527; (ABT) 196188669365; (ABU) 196188669372; (ABV) 196188669389; (ABY) 196188669396; (ACJ) 196188669402; (ACQ) 196188669419; (AKL) 196188669433; (AR6) 196188669440; (UUF) 196188669457; (UUZ) 196188669464 |
| What's in the box | DisplayPort™ cable; HDMI cable; VESA Mount adapter; Warranty card; USB Type-A to B cable; Quick Setup Poster; AC power cord; Color calibration report; Thunderbolt™ 4 cable ^[10] |

Top Recommended Displays, Accessories and Services

No Top Recommended Displays, Accessories and Services

Messaging Footnotes

- [1] 4K content require to view in 4K resolution.
- [2] SuperSpeed USB 20Gbps is not available Thunderbolt™ 4. For full Thunderbolt™ 4 functionality, host PC must support Thunderbolt™ 4.
- [3] Display supports 1 Gb ethernet speed. Host PC requires infrastructure to support 1Gb ethernet speeds.
- [4] Single Power On only compatible with HP PCs with Windows 10 or higher.
- [6] All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary, either higher or lower.

Technical Specifications Footnotes

- [1] All specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.
- [2] DisplayPort™ 1.4 or HDMI 2.0 required to drive panel at its native resolution. The video card of the connected PC must be capable of supporting 3840 x 2160 at 60 Hz with 10-bit color using one DisplayPort™, HDMI or USB-C® (DP alt mode). The video card of the connected PC must be capable of supporting 3840 x 2160 and include one DisplayPort™ or one HDMI outputs to drive the monitor at the Preferred Mode.
- [4] Number of colors through A-FRC technology.
- [10] Included cables may vary by country.
- [11] Lock sold separately.

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